

FIG. 1

PRIOR ART

FIG. 1 of 13



PRIOR ART

FIG. 2

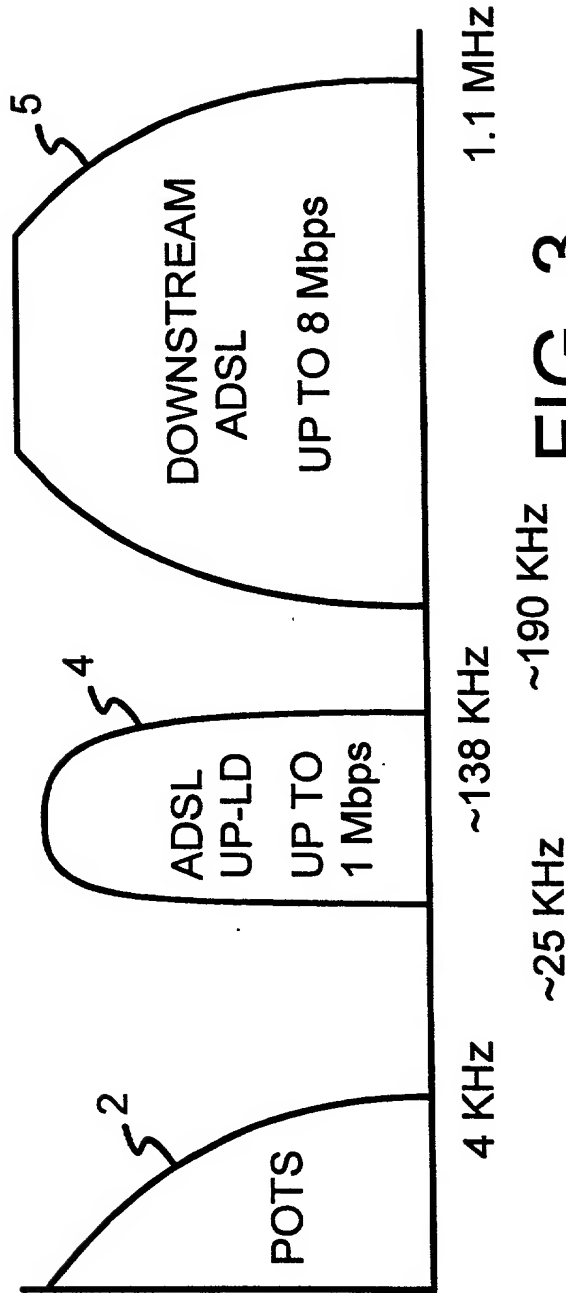


FIG. 3

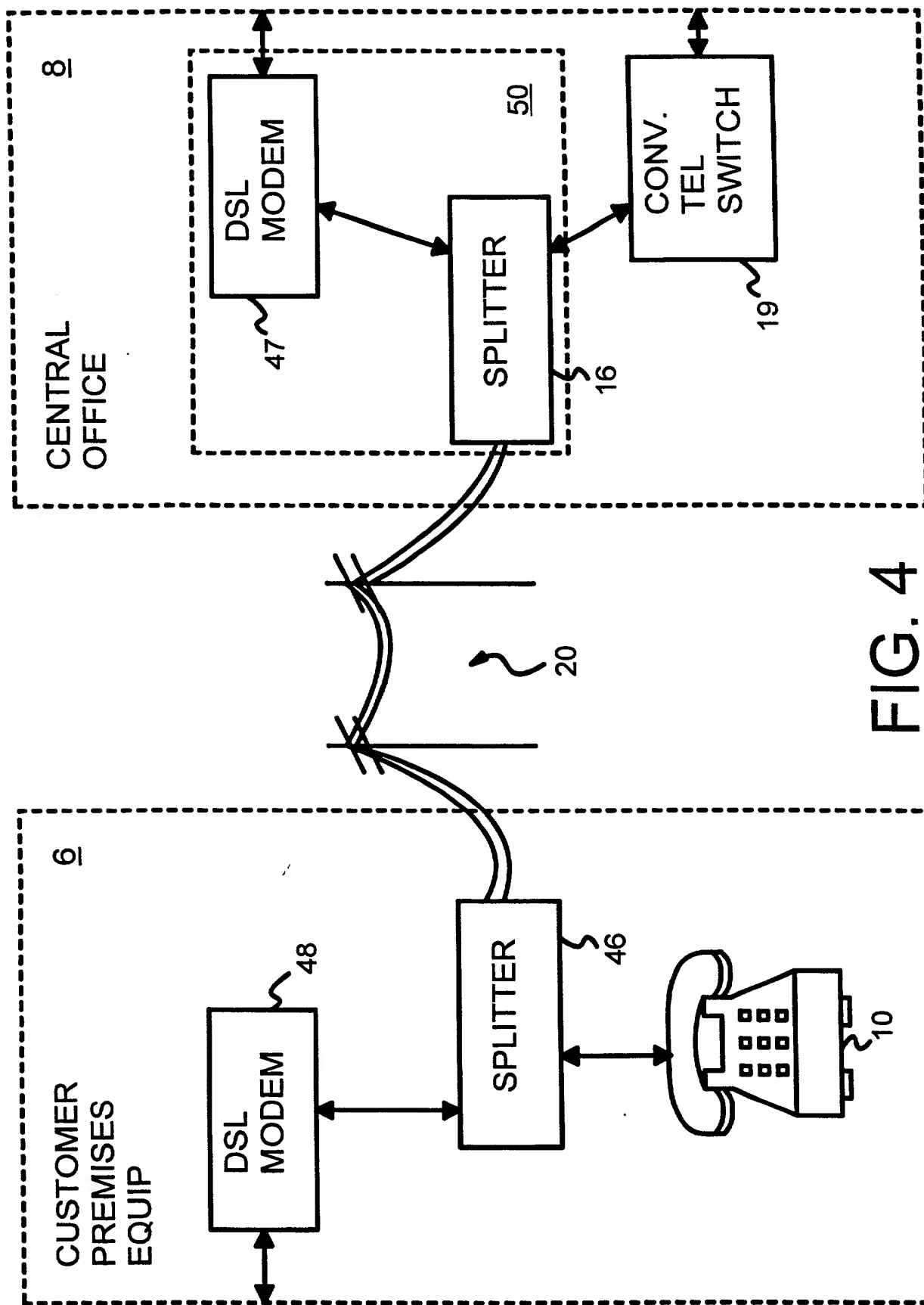


FIG. 4

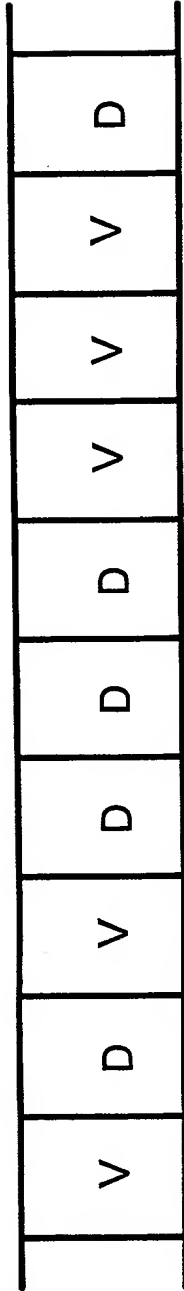


FIG. 5

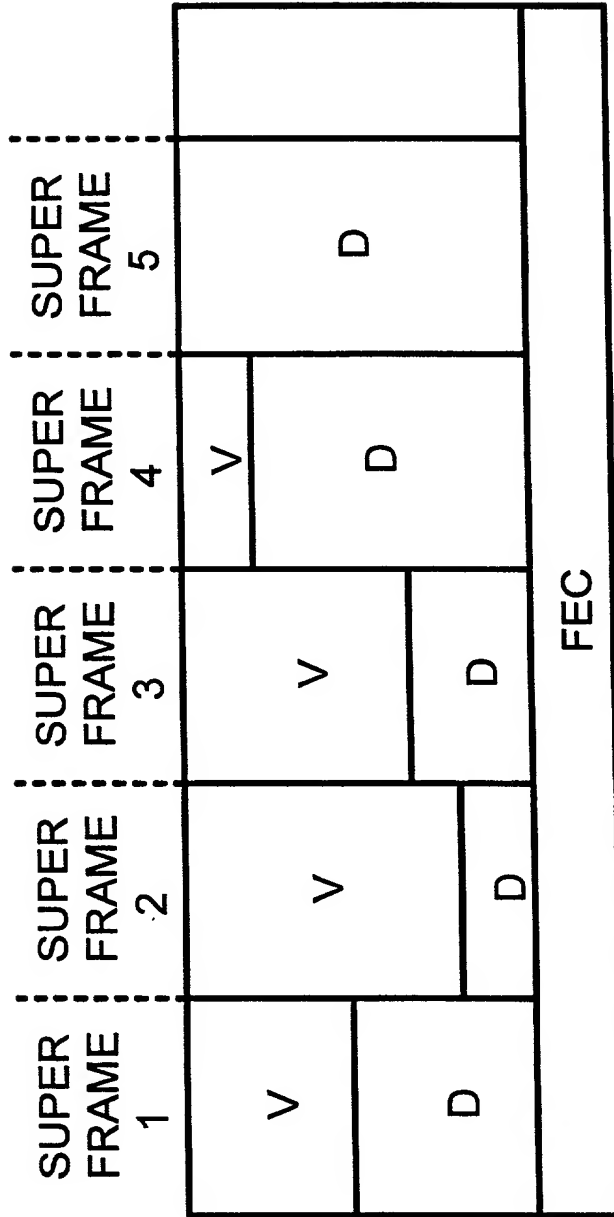
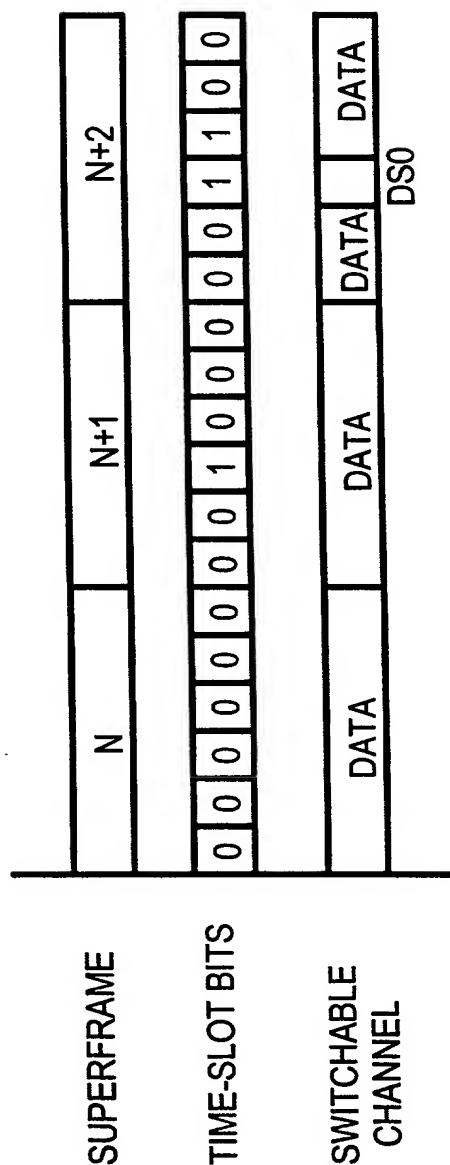


FIG. 6

| | | | |
|--|--|--|--|
| SUPER FRAME N | SUPER FRAME N+1 | SUPER FRAME N+2 | SUPER FRAME N+3 |
| CURRENT FORMAT: DATA=12 VOICE=4 | CURRENT FORMAT: DATA=12 VOICE=4 | CURRENT FORMAT: DATA=11 VOICE=5 | CURRENT FORMAT: DATA=10 VOICE=6 |
| NEXT FORMAT: DATA=12 VOICE=4 | NEXT FORMAT: DATA=11 VOICE=5 | NEXT FORMAT: DATA=10 VOICE=6 | NEXT FORMAT: DATA=10 VOICE=6 |

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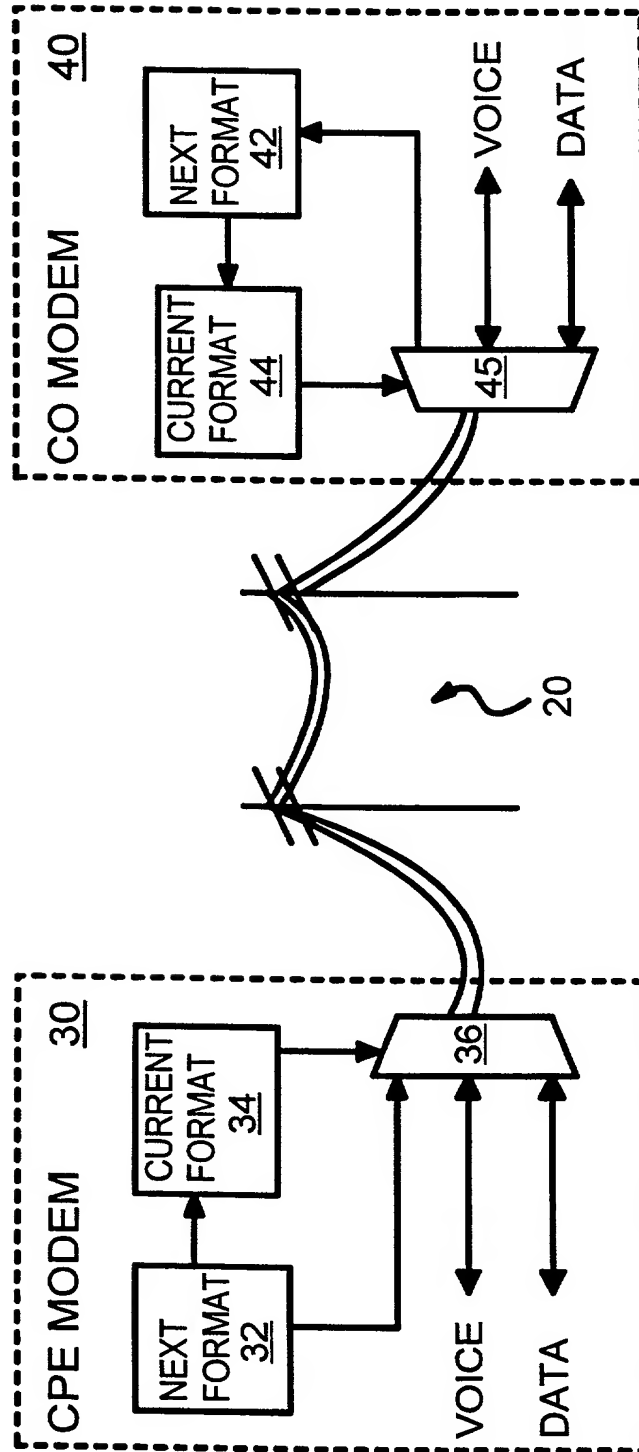


FIG. 9

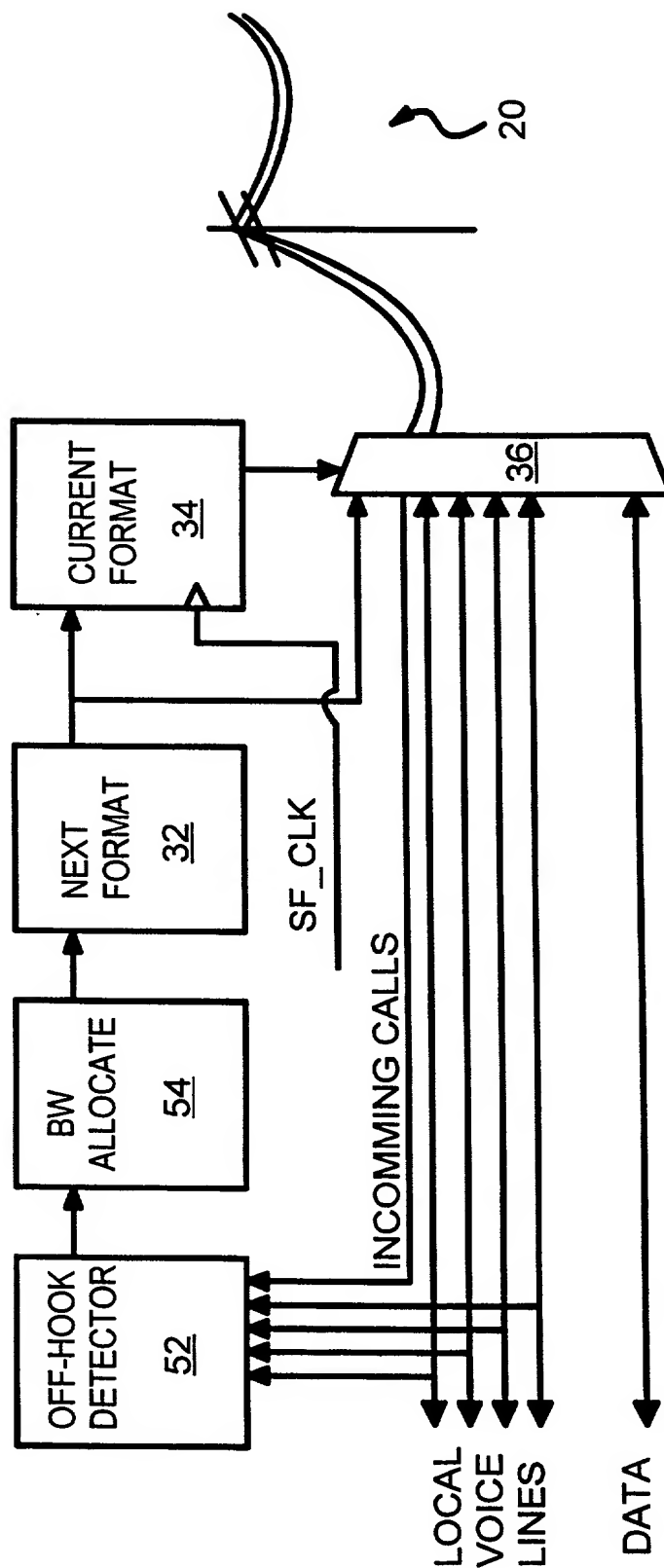


FIG. 10

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| FRM ING | USR DAT | FRM ING | USR DAT | FRM ING | USR DAT | FRM ING | USR DAT | FRM ING | USR DAT | SF PAD |
|--------------|----------------------|------------|----------------------|------------|----------------------|------------|----------------------|------------|----------------------|-------------|
| 9-15 BITS | 114- 1076 BITS | 12 BITS | 114- 1076 BITS | 12 BITS | 114- 1076 BITS | 12 BITS | 114- 1076 BITS | 12 BITS | 114- 1076 BITS | 0-5 BITS |

FIG. 11A

| | | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| 8KHZ FRM | 8KHZ FRM | 8KHZ FRM | 8KHZ FRM | 8KHZ FRM | 8KHZ FRM | 8KHZ FRM | 8KHZ FRM | 1 KHZ PAD |
| 14-134 BITS | 14-134 BITS | 14-134 BITS | 14-134 BITS | 14-134 BITS | 14-134 BITS | 14-134 BITS | 14-134 BITS | 0-7 BITS |

FIG. 11B

| | | | | | |
|--------|--------|--------|--------------|--------------|--------------|
| TS-0 | TS-1 | TS-2 | TS- (N-2) | TS- (N-1) | 8 KHZ PAD |
| 8 BITS | 8 BITS | 8 BITS | 8 BITS | 8 BITS | 0-7 BITS |

FIG. 11C

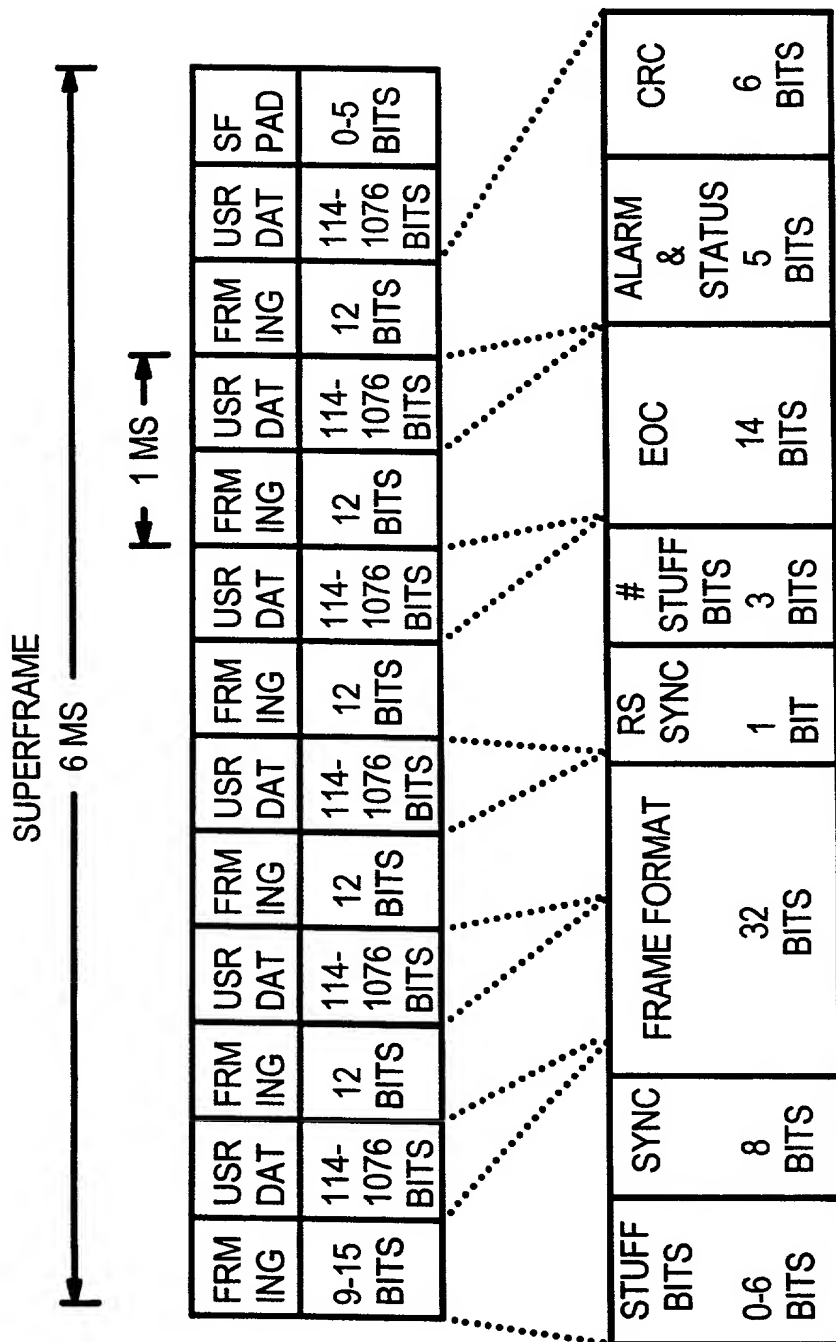
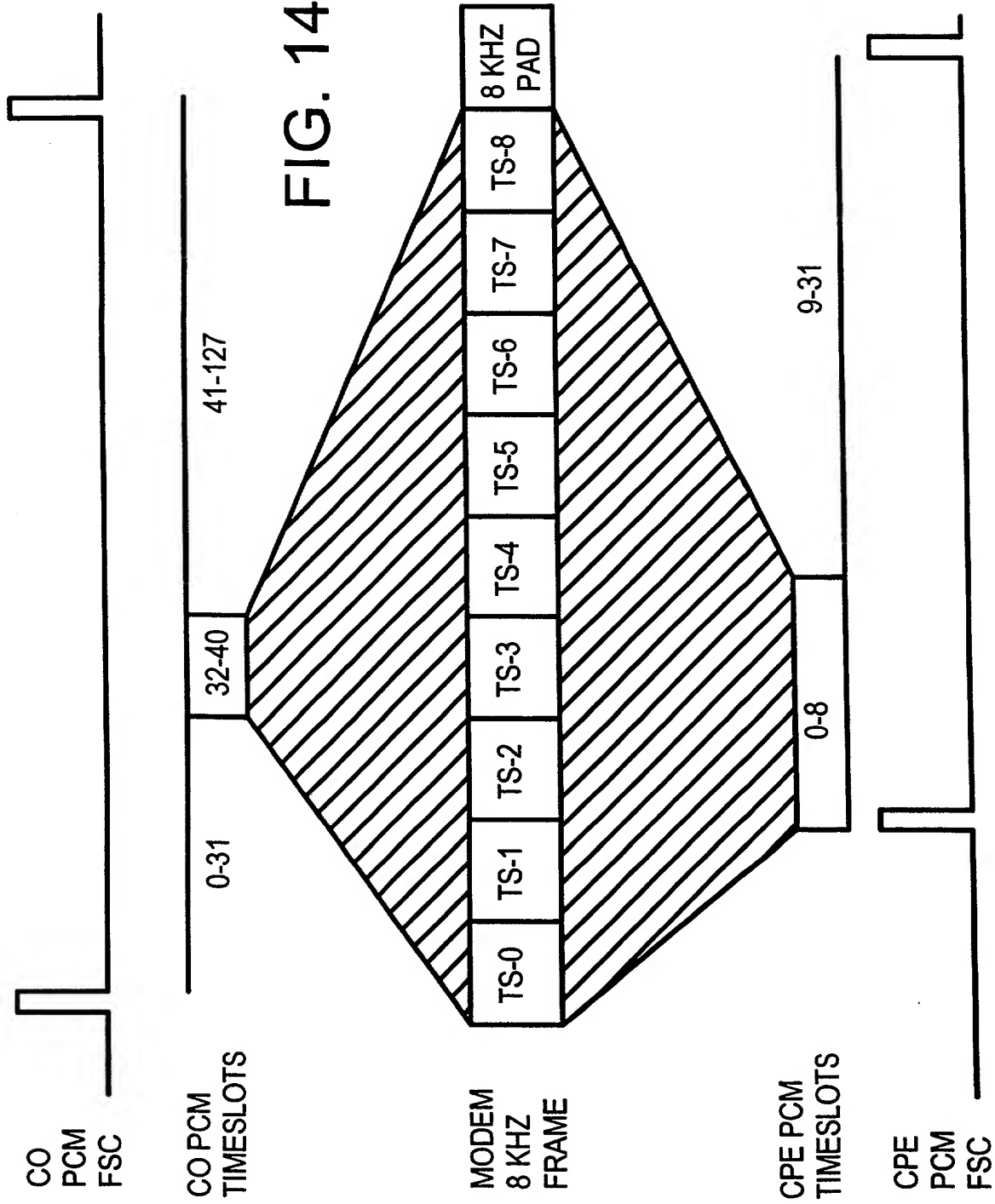
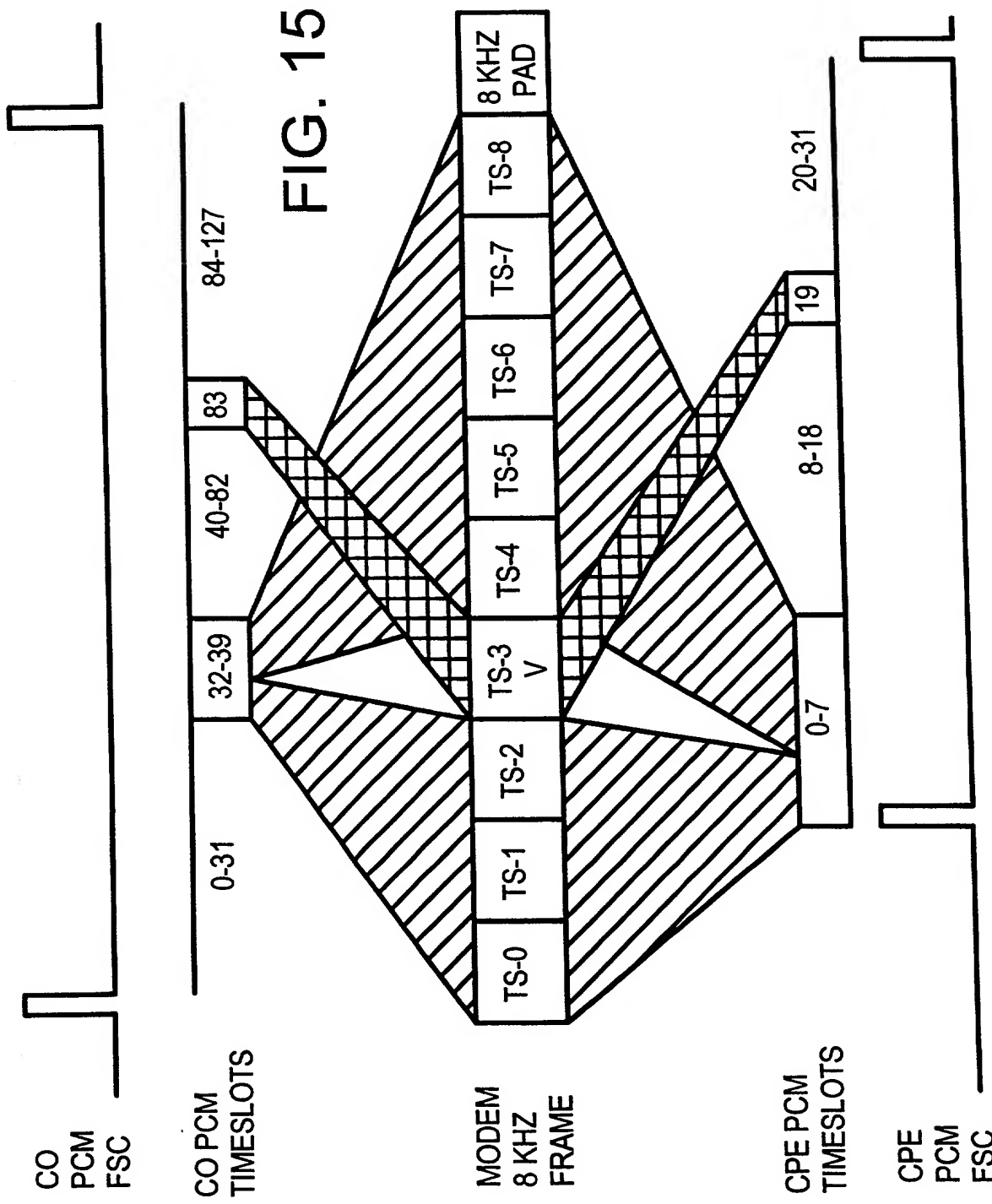


FIG. 13





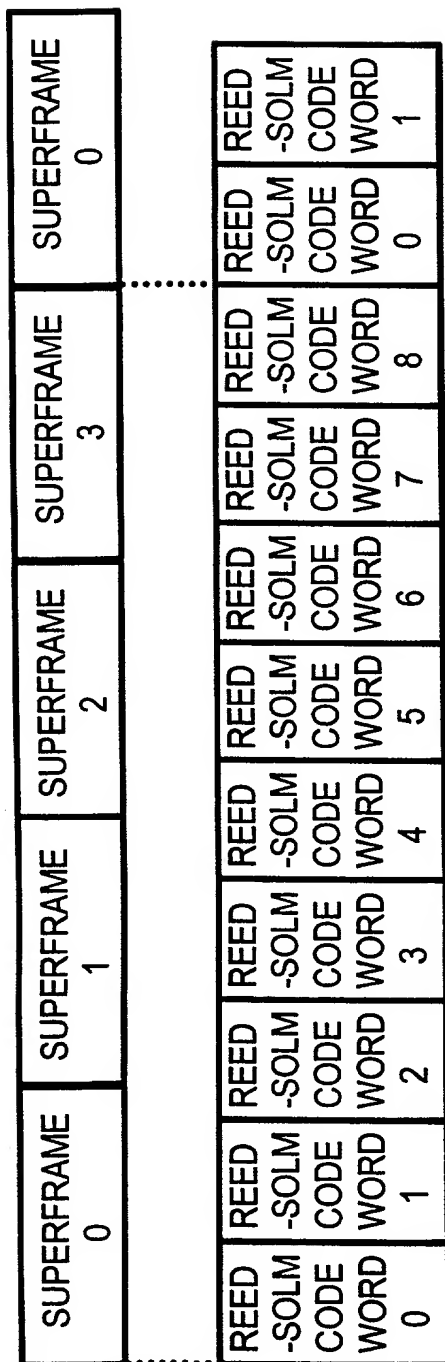


FIG. 16

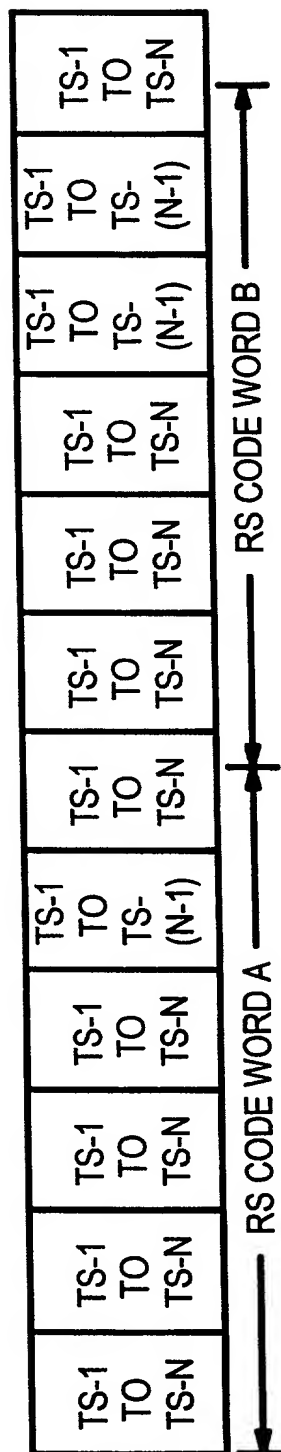


FIG. 17